Guillaume Ameline

*Senior material engineer 7+ years
with full-stack programming experience*

INFO
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DSC · DMA · Microscopy · Aging · Statistical Process Control · Material Modeling · Qualification · Process Simulation · Rain Erosion · Tension · Adhesive · Shear · Compression · Fatigue · Composite · Aerospace · Wind · Python · Elixir · SQL · Git · JavaScript · Docker · Linux · Go · Zig

PROFESSIONAL EXPERIENCE

Scientific Programmer TARTU ÜLIKOOL Dec 2024 → now Estonia
Developing Elixir Phoenix GIS application from scratch • User documentation

Full-stack Developer GEOLYNX Nov 2024 → May 2025 Estonia
Developing Elixir Phoenix GIS application (MVP) from scratch

Testing Engineer LM WIND POWER 2020 → 2022 Denmark
Test planning and mechanical analysis • Technical support • Simulations and kinetic modeling • Data analysis • Root cause investigation • Rain erosion testing analyze and control

R&T Engineer SAFRAN COMPOSITES 2019 → 2020 France
Composites and bonding qualification • IR laser surface treatment development • Statistical analysis for design value studies

Material Engineer SAFRAN NACELLES 2017 France
Composite material technical support • Material/painting testing • Qualification for aeronautical parts and processes

Recovery Engineer SAFRAN NACELLES 2016 France
Material Review Board operations • Composite defect analysis • Rework of composite parts

R&D Engineer EPSILON COMPOSITE 2011 → 2014 France
Material characterization • Thermoset formulation • Pultrusion process simulation • Material qualification for multiple industries

IT TRAINING 2022 → 2024

kood/Jõhvi: Two-year full-stack and AI/ML training.

NATURAL LANGUAGES

English: fluent • **French**: native

MATERIAL EDUCATION 2006 → 2011

ENSIL: Material Science Engineering School (Master Degree)

DUT Bordeaux: Material Science Technician School